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Product Datasheet

Tesmilifene HCl

FBM-10-1085

Article Name	Tesmilifene HCl
Biozol Catalog Number	FBM-10-1085
Supplier Catalog Number	10-1085
Alternative Catalog Number	FBM-10-1085-5MG,FBM-10-1085-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Anti-estrogen, Chemo-potentiating agent...
Molecular Weight	319.87
Purity	>98% by TLC, NMR Conforms
Form	White solid
CAS Number	[92981-78-7]
Formula	C19H25NO
Application Notes	Tesmilifene, an analog of tamoxifen, acts as a chemopotentiator and antineoplastic agent and was developed for the treatment of breast cancer but never marketed.1 It binds with high affinity to the anti-estrogen binding site (AEBS) in rat liver microsomes but does not bind to the estrogen receptor (at or below 10 µM) .2 Displaces histamine from AEBS, an activity which correlates with its cytotoxic effects on breast cancer cells.2 Enhances the cytotoxicity of taxol, epirubicin, doxorubicin and vinorelbine in multidrug resistance cell lines.3 It has been shown to increase the permeability of the blood-brain and blood-glioma barrier in culture and animal models by modifying brain endothelial functions.4